

EXERCISES

For more exercises, see *Extra Skill and Word Problem Practice*.

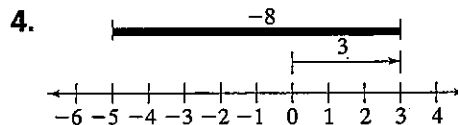
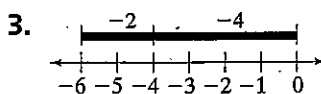
Practice and Problem Solving

Practice by Example

Examples 1 and 2
(pages 24 and 25)



Modeling Write an expression for each model. Find the sum.



Draw a model and find each sum.

5. $2 + (-5)$ 6. $-5 + 2$ 7. $5 + (-2)$ 8. $-5 + (-2)$
9. $-6 + 1$ 10. $-3 + (-6)$ 11. $-3 + 2$ 12. $-3 + 4$

Example 3
(page 25)

Find each sum.

13. $14 + (-11)$ 14. $0 + (-9)$ 15. $-6 + (-7)$
16. $-18 + 4$ 17. $-40 + 93$ 18. $-26 + (-39)$
19. $450 + (-350)$ 20. $100 + (-100)$ 21. $235 + (-420)$

Example 4
(page 26)

22. **Geography** The highest peak at Mt. Ellsworth in Montana is 3,275 m lower than the highest peak of Mt. Kilimanjaro in Kenya, at 5,895 m. Find the elevation of the highest peak at Mt. Ellsworth.

Example 5
(page 26)

Find each sum.

23. $19 + (-9) + 45 + (-32)$ 24. $-3 + 2 + (-7) + 7 + 13$
25. $-94 + 68 + (-22) + (-13)$ 26. $-20 + (-89) + 112 + 9$

B Apply Your Skills

Reasoning Without adding, tell whether each sum is positive, negative, or zero. Explain how you found your answer.

27. $-4 + (-10)$ 28. $11 + (-3)$ 29. $6 + (-6)$ 30. $-4 + (-2)$

Mental Math Find each sum.

31. $-5 + 20$ 32. $9 + (-9)$ 33. $10 + (-3)$ 34. $-5 + 5 + 16$

35. **Multiple Choice** One winter day the temperature starts at -12°F , warms 10 degrees, and then drops 2 degrees. What is the temperature at the end of the day?

- (A) -32°F (B) -4°F (C) -2°F (D) 0°F

Compare. Use $>$, $<$, or $=$ to complete each statement.

36. $-6 + 1$ \blacksquare $5 + 1$ 37. $0 + 3$ \blacksquare $-2 + 0$
38. $10 + (-2)$ \blacksquare $-4 + 12$ 39. $-1 + 1$ \blacksquare $-2 + 0$
40. $49 + (-21)$ \blacksquare $|-18|$ 41. $|-20| + (-7)$ \blacksquare $-11 + (-11)$